

KANAV BHARDWAJ

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EDUCATION

Dalhousie University

Bachelor of Computer Science, Minor in Statistics (GPA: 4.25/4.30)

Jan 2021 – Apr 2025

Halifax, NS

EXPERIENCE

Software Developer Intern

Magnet Forensics

May 2023 – Dec 2023

Waterloo, ON

- Developed REST APIs using .NET, C#, Jenkins, and Clojure for digital investigation analysis and automated job processing
- Enhanced the workflow builder using React, Redux and contributed to the migration from Clojure to .NET backend
- Implemented latest testing standards in React@18, Jest, Cypress and led the migration from Enzyme to RTL
- Assisted in Keycloak integration to facilitate the separation of User Service and enable OIDC authentication using JWTs
- Contributed to velocity enablement by reducing technical debt, addressing build failures, and customer support requests

Head Teaching Assistant

Dalhousie University

Sep 2022 – Apr 2023

Halifax, NS

- Instructed 150+ students through technical labs, covering core concepts of C, Assembly, Linux, and Git
- Designed practicums and authored comprehensive test cases in C and Bash to facilitate automated grading processes
- Implemented custom Bash scripts to automate proctoring and detect potential cheating instances during live practicums
- Collaborated closely with the professor for course organization, proctoring, and designing lecture content

Frontend Developer Intern

Genesys

May 2022 – Aug 2022

Markham, ON

- Implemented accessibility standards in the Workforce Management system, adhering to W3C guidelines
- Incorporated timezone support into the employee work planner and synchronized it with the visual graphs
- Integrated web components into the codebase and improved frontend using Typescript, jQuery, and KnockoutJS

Web Developer

Where Dreams Connect

Jun 2020 – Nov 2020

Toronto, ON

- Developed a WordPress website and managed the Content Management System and hosting services
- Implemented SEO strategies including blog writing and social media marketing, generating 20% extra leads

PROJECTS

Juuman | Django, NextJS, AWS, TensorFlow, R

- Personal finance application for tracking wealth and spending habits with intuitive charts and visualizations

Command & Data Handling Team - Dalhousie Space Systems Lab | Linux, Git, C

- Collaborated in the development of CubeSat for Satellite design competition
- Configured embedded Linux drivers on System on Module to enable connection to components on On-Board Computer

Workworm | Java, Android Studio, Firebase, JUnit, Espresso

- Developed a full-stack mobile application for job hunting and collaborated with a team of 3
- Integrated PayPal API for processing payments and Google GeoLocation API to show nearby job postings with Firebase

Billy Bluenose: Battle of The Atlantic | Javascript, ThreeJS, CSS

- Coordinated an action web game with a team of 4 which won 2nd prize in Atlantic Game Jam organized by Ubisoft

Foodhood | ReactJS, NodeJS, ExpressJS, MongoDB, Typescript

- Developed a full-stack website for startup to enable convenient buying and selling of food within your neighborhood

TECHNICAL SKILLS

Languages: Java, Typescript, C, C#, Clojure, Python, JavaScript, SQL, Haskell, HTML5/CSS3, Bash, R, Groovy

Libraries/Frameworks: .NET, React.js, Node.js, Next.js, Django, Redux, JUnit, Jest, RTL, Cypress, PyTorch, TensorFlow

Technologies: Git, Docker, AWS, Azure, Jenkins, Firebase, Postman, MySQL, PostgreSQL, MongoDB, Android Studio, Jira

AWARDS

Bruce and Dorothy Rossetti Scholarship Gold Award: Scholarship given to top performing Engineering student

Sexton Scholar: Awarded in 5 consecutive semesters for achieving a high GPA